National Snow and Ice Data Center
Supporting Cryospheric Research Since 1976

IceBridge Data Management Plans at NSIDC

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NSIDC's IceBridge Senior Staff

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Other staff to be assigned based on specific task scheduling

Proposal Directives

- ## Overall focus:
  - Ensuring preservation of the data
  - Broadening usage of the data
- ## Content includes four major activities:
  - Broker IceBridge data sets
  - Implement tools and services
  - Develop value-added science products
  - Ingest science data products

Performance Strategy

- ## Focus on:
  - ### Fast track implementations when possible
    - o make data available quickly in as-is condition
  - ### Community input and interchange of ideas
    - o identify high-priority and high-visibility opportunities
    - o sample products and tools for review
  - ### Frequent updates to capabilities and content
    - o build on existing functionality and show progress
- ## ... while building a robust base to enable:
  - o Secure data preservation
  - o Better data utilization by wider community
  - o Effective continuity between ICESat-I and -II

→Balance early-success progress with long-term preservation goals

Immediate Plans (~1-3 months)

- Establish Science Working Group (SWG) to advise on progress (parallel group to newly-established Science Team)
  - Members invited and accepted
- Set up web page for focused public access to IceBridge data with links to available data sources
  - Published at nsidc.org/data/icebridge/index.html
- Set up wiki for community interaction and visibility into data management plans and issues
  - In progress; available ~1 wk
- Identify data characteristics we will need from providers
  - In progress; available ~1-2 wks
- Conduct 1st Science Working Group meeting (March 4-5, Boulder CO)
  - Identify highest-priority tools/services/products
  - Look for gaps in existing capabilities
  - Establish means of ongoing communication between SWG, NSIDC, NASA, and IceBridge community
- Use SWG and other feedback to adjust plans and drive near-term scheduling

IceBridge Greenland Planning Meeting
January 27, 2010

Near-Term Plans (~ 1-6 months)

- "Broker" existing data sets
  - Incorporate sufficient metadata to enable searching within NSIDC and export of metadata to GCMD/ECHO/other external repositories
  - Make data visible to greater community
- Development of tools/services
  - Priorities identified by SWG and approved by HQ
  - Build on existing capabilities
  - Collaborate where possible (GSFC IceBridge resources, NSIDC/ UNAVCO ACCESS project)
- Development of value-added products
  - Build on current conceptual ideas
  - Priorities identified by SWG and approved by HQ
- Underlying tasks
  - Trade studies/decisions on data formats, storage locations, …
  - Discussion/decisions on Levels of Service for various data sets
  - Assignment of staff resources to tasks

What Inputs Will We Need?

- Existing metadata and documentation at data set level
  - Enable linking and brokering
  - Support user services
  - **Identify extensions for future enhanced services**
- Characteristics of existing data
  - Identify possible necessary extensions to existing NSIDC capabilities (e.g. storage size)
  - Look for specifics that can be used in developing future and value-added products (e.g. formats, gridding)
- Comprehensive list of needs given to data providers soon
  - Will try for "one shot" request